

Application No.: 10/672,382  
Preliminary Amendment dated: March 16, 2006

**INTHECLAIMS:**

Please amend the claims as indicated. A complete set of the claims is included below, reflecting added subject matter (*underlining*) and deleted subject matter (*strikethrough*), as well as the current status of each claim. This listing of claims will replace all prior versions, and listings, of claims in the application:

1-17. (Canceled)

18. (Previously Presented) A method of recognizing handwriting-based data entry comprising:

- a) accessing spatial stroke data and pressure data captured by a digitizer of a computer system and representing said user-drawn stroke wherein respective pressure data is associated with respective spatial data;
- b) storing said spatial stroke data and pressure data into a computer memory wherein pressure data of a first range represents an object of a first display attribute and pressure data of a second range represents an object of a second display attribute;
- c) determining an object display attribute based on said pressure data;
- d) drawing a representation of said user-drawn stroke on a display screen of said computer system simultaneously with said spatial stroke data being accessed by said digitizer wherein said representation of said user-drawn stroke is drawn with said object display attribute as determined at said c); and
- e) repeating said a) through said d) until said stroke is complete.

19. (Original) A method as described in Claim 18 wherein said first display attribute is a first width and wherein said second display attribute is a second width.

20. (Original) A method as described in Claim 18 wherein said stroke is a line.

21. (Original) A method as described in Claim 18 wherein said computer system is a palm sized computer system.

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22. (Original) A method as described in Claim 18 wherein said computer system is a portable computer system.

23. (Original) A method as described in Claim 18 wherein said digitizer is separate in area from said display screen.

24. (Previously Presented) In a computer system, a method of performing authentication comprising:

accessing spatial stroke data and pressure data captured by a digitizer of said computer system and representing a user-drawn signature wherein respective pressure data is associated with respective spatial stroke data, wherein a display screen of said computer system comprises said digitizer;

storing said spatial stroke data and pressure data into a computer memory;

comparing said spatial stroke data and pressure data of said user-drawn signature to stored spatial stroke data and pressure data of a reference signature for a match;

generating an authentication signal upon a match of said spatial stroke data and pressure data and said stored spatial stroke data and pressure data; and

provided said authentication signal is generated, allowing a user access to said computer system, otherwise prohibiting said user from accessing a portion of said computer system.

25. (Original) A method as described in Claim 24 wherein said computer system is a palm sized computer system.

26. (Canceled)

27. (Previously Presented) A method as described in Claim 24 wherein said accessing said spatial stroke data and pressure data further comprises the step of accessing speed information representing said user-drawn signature and wherein said comparing further

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comprises comparing said speed information with reference speed information of a reference signature for said match.

28. (Original) A method as described in Claim 24 wherein said computer system is a portable computer system.

29. (Previously Presented) A secure handwriting-based data entry recognition system comprising:

means for accessing spatial stroke data and pressure data captured by a digitizer of a computer system and representing said user-drawn stroke wherein respective pressure data is associated with respective spatial data;

means for storing said spatial stroke data and pressure data into a computer memory wherein pressure data of a first range represents an object of a first display attribute and pressure data of a second range represents an object of a second display attribute;

means for determining an object display attribute based on said pressure data; and

means for drawing a representation of said user-drawn stroke on a display screen of said computer system simultaneously with said spatial stroke data being accessed by said digitizer wherein said representation of said user-drawn stroke is drawn with said object display attribute as determined at said means for determining an object display attribute.

30. (Previously Presented) The secure handwriting-based data entry recognition system as described in Claim 29 wherein said first display attribute is a first width and wherein said second display attribute is a second width.

31. (Previously Presented) The secure handwriting-based data entry recognition system as described in Claim 29 wherein said stroke is a line.

32. (Previously Presented) The secure handwriting-based data entry recognition system as described in Claim 29 wherein said computer system is a palm sized computer system.

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33. (Previously Presented) The secure handwriting-based data entry recognition system as described in Claim 29 wherein said computer system is a portable computer system.
34. (Previously Presented) The secure handwriting-based data entry recognition system as described in Claim 29 wherein said digitizer is separate in area from said display screen.
35. (New) A method of recognizing shape entry, said method comprising the steps of:  
accessing spatial stroke data and pressure data captured by a digitizer wherein respective pressure data is associated with respective spatial stroke data;  
storing said spatial stroke data and pressure data into a computer memory;  
performing shape recognition on said spatial stroke data and said pressure data to identify a recognized shape with a shape set; and  
displaying said recognized shape on a display screen of a computer system.
36. (New) The method of claim 35 wherein said shape set includes a square.
37. (New) The method of claim 35 wherein said shape set includes a circle.
38. (New) The method of claim 35 wherein said shape set includes a rectangle.
39. (New) A method of recognizing entry of an object in a graphics application resident on a portable computer, said method comprising the steps of:  
accessing spatial stroke data and pressure data captured by a digitizer of a computer system;  
storing said spatial stroke data and pressure data into a computer memory;  
determining an object display attribute according to said pressure data;  
drawing a representation of said object on a display screen of said portable computer.
40. (New) The method of claim 39 wherein said object is a line.

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41. (New) The method of claim 40 wherein pressure data of a first range represents an object of a first display attribute and pressure data of a second range represents an object of a second display attribute.

42. (New) A method of presenting attribute selection for an object in an application resident on a portable computer, said method comprising the steps of:

accessing spatial stroke data and pressure data captured by a digitizer of said portable computer;

storing said spatial stroke data and pressure data into a computer memory;

determining an object attribute according to said pressure data; and

presenting a representation of said object attribute on a display screen of said portable computer.

43. (New) The method of claim 42 wherein said object attribute is a character set attribute.

44. (New) The method of claim 42 wherein said object attribute is a visual attribute.

45. (New) The method of claim 43 wherein said object attribute is a character size.

46. (New) The method of claim 43 wherein said object attribute is a character font.

47. (New) The method of claim 44 wherein said object attribute is a stroke width.